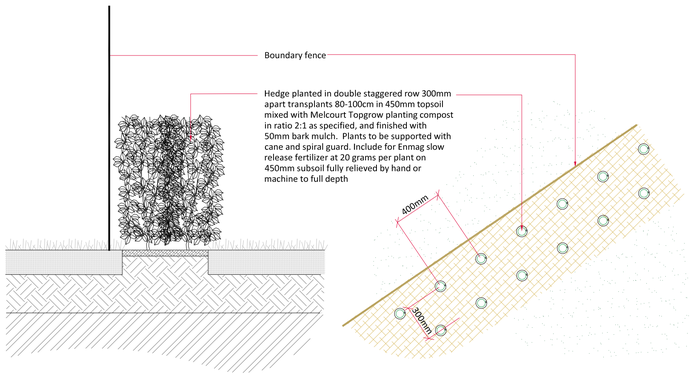
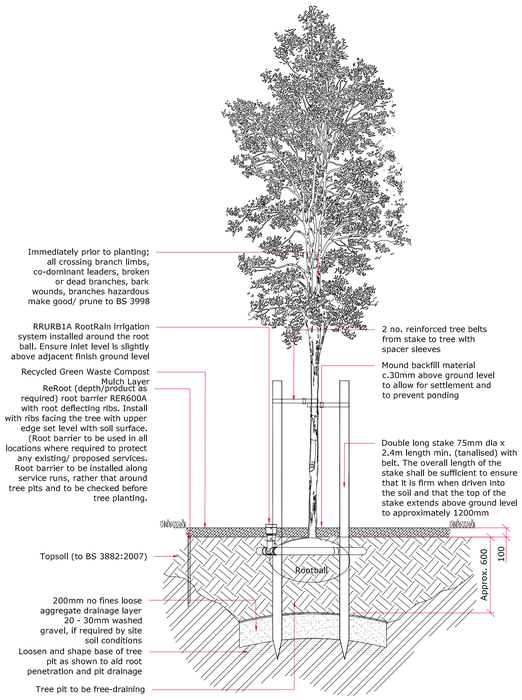


TYPICAL SECTION THROUGH PROPOSED BARE ROOT HEDGE PLANTING
Scale 1:25

TYPICAL PLAN VIEW OF PROPOSED BARE ROOT HEDGE PLANTING
Scale 1:25



PROPOSED TREE PIT DETAIL FOR INDIVIDUAL TREE PLANTING
Scale 1:25

PLANTING SCHEDULE

Trees

Number	Species	Common Name	Height	Girth	Specification
1 No.	Acer rubrum	Red Maple	300-350cm	12-14cm	Heavy Standard :RB :5/7 brks
1 No.	Fagus sylvatica 'Purpurea'	Copper Beech	300-350cm	12-14cm	Heavy Standard :RB :Clear Stem 150-175 : :5/7 brks
1 No.	Pinus sylvestris	Scots Pine	300-350cm	12-14cm	Heavy Standard :RB :5/7 brks
1 No.	Prunus serrula	Tibetan Cherry	300-350cm	12-14cm	Heavy Standard :RB :5 brks : :Clear Stem 150-175
2 No.	Tilia cordata	Small-leaved Lime	300-350cm	12-14cm	Heavy Standard :RB :Clear Stem 150-175 :5 brks
Total :6 No.					

Hedge

Number	Species	Common Name	Height	Specification	Density
280 No.	Carpinus betulus	Hornbeam	80-100cm	Transplant :BR	6/m
280 No.	Corylus avellana	Hazel	80-100cm	Transplant :BR	6/m
280 No.	Crataegus monogyna	Hawthorn	80-100cm	Transplant :BR	6/m
46 No.	Ilex aquifolium	Holly	80-100cm	Bushy :5/7 brks :C	6/m
46 No.	Viburnum opulus	Guelder Rose	80-100cm	Transplant :BR :Bushy :3/5 brks	6/m
Total :932 No.					

OUTLINE LANDSCAPE SPECIFICATION

Generally
Prior to planting, all earth works associated with landscape operations are to be made good, top soil levels are to be graded to 50mm above back of kerb after settlement and mounded as appropriate in accordance with landscape design. All existing good quality top soil is to be incorporated into the landscape proposals where practicable.

- All plant material, setting out and finished grading is to be checked and approved by the Employers Agent prior to commencement of planting.
- All planting is to be carried out during the first appropriate planting season following completion of all hard landscape works.
- All areas are to be thoroughly stone picked by hand before and after cultivations, with all stones >20mm removed along with all deleterious arisings.
- All landscape areas should remain free from waste material and rubbish at all times.
- No planting should take place whilst ground is frozen or water logged.
- All planting should arrive to site free of any pernicious weeds/moss/lichen.
- All plant material is to be thoroughly watered before packaging for delivery, on the day of planting (before planting) and again immediately following planting using a fine rose sprinkler to the full depth of the roots.
- All areas shall remain weed free both during construction and during the defects/maintenance period.

For more detailed information all landscape works should comply fully with the following British Standards:
BS 3882:2015 - Specifications for top soil
BS 3936.part 1:1992 - Nursery stock
BS 4043:1989 - Recommendations for transplanting root balled trees
BS 4428:1989 - Code of practice for general landscape operations
BS 5837:2012 - Trees in Relation to Construction
BS 8545:2014 - Trees: from nursery to independence in the landscape. Recommendations

Sub Soil Preparation
Loosen light, non-cohesive soils with a fine 3 tine ripper, 300mm deep at 600mm centres in two oblique directions; loosen stiff clays and other cohesive sub-soils with a single tine ripper, 450mm deep at 100mm centres in two oblique directions. Particular care should be taken to ensure areas which have been compacted by construction works/ traffic are alleviated prior to tree planting.

Top Soil Preparation
Spread topsoil over prepared sub-soil in layers not exceeding 150mm depth and firm each layer before spreading the next. Overall minimum depths after firming and settlement shall be:

- Turf Areas 100mm
- Grass Areas 150mm
- Hedge/ Shrub Areas 450mm
- Tree Areas 800mm (minimum)

Imported top soil shall be to BS 3882 premium grade from a source approved by the Employer's Agent. A declaration of analysis including relevant parameters given in BS 3882 shall be submitted to the Employer's Agent prior to delivery to site.

Root Barrier Installation
Main contractor is to install root barriers as required during construction and installation of all new services and contractor should check service locations on site before tree planting. Root barriers are to be installed as close as possible to all service runs.

All root barriers are to be installed in accordance with the following guidance from Green Blue Urban Tree and Landscape Products:

'Root barrier installations are designed to protect the tree (preventing delicate root systems from being massacred by excavation machinery) as well as the utility infrastructure. We specify the use of a proven high strength (minimum thickness 1.0mm - ReR210) Greenleaf HDPE root barrier in all locations. The barrier should be installed as close to the utility as possible (maximizing rooting area for the tree) and if possible, in new service infrastructure projects, be installed in the same trench (against the side of the trench nearest the tree) at the same time as the utility is being laid.

All utilities should be protected (in accordance with the following depth guidance) with the exception of electrical cabling concealed within solid plastic conduit which does not usually require protection. Generally the majority of root growth is found within the top 600mm of the soil surface, therefore all utilities up to a maximum depth of 600mm should have a root barrier installed to 300mm below invert level as protection for both the services and the trees themselves. For services at a depth of between 600-900mm a root barrier should be installed at the same depth as the invert level.

Tree roots are not commonly found deeper than 900mm below the surface however, in some circumstances this can occur. Therefore services at a depth of 900-2000mm should be protected only when specifically requested by the individual service provider, and using a root barrier installed at a depth equal to the invert level. Lastly, utilities deeper than 2000mm only require protection in extreme circumstances and where specifically requested'.

The layout of root barriers will also need to be agreed/approved by the various owners/operators responsible for each of the existing and proposed service routes.

Tree Planting
All tree pits within soft landscape areas should be excavated in accordance with the size and containment of the tree root system on arrival at site. The root flare of the tree, which should also be the soil level it has been growing at in the dursery should match the level of the top of the tree pit excavated, although setting the planting level 25-50mm above this would allow for settlement. This can be achieved by creating a lightly consolidated mound at the base of the pit to place roots over and set the level of the pit.

All tree pits should be prepared and topsoil installed at the appropriate time during construction to avoid abortive works. Once tree pits have been constructed they are to be capped using temporary semi permeable membrane on tree pit surface to allow soil to breathe, water to permeate tree pit and prevent contamination during further construction works.

No tree planting is to take place until all hard works are complete. Where practicable trees pits should be excavated to provide continuous length of improved quality tree backfilling material as detailed below.
Trees should be staked in full accordance with details and specification provided. Abrasion shall be avoided by using a buffer between the tree and stake. Biodegradable tree ties will be used and shall be checked during the defects period and adjusted/replaced as necessary to allow for growth.

All tree pits are to be backfilled with approved quality top soil, mixed with tree planting/mulching compost, fertiliser/ameliorant and moisture retentive granules to the following quantities per each tree pit:

- 250L Tree Planting Compost
- 150gms SAI Enmag
- 800gms Broadleaf P4

The above backfill mixture shall be prepared away from the planting area and in sufficient quantity for efficient handling and use. All compost shall be moistened to between 30-40% water content. For bare root specimens, shake the tree as you backfill to encourage good soil contact between the roots. Firm soil to lightly consolidate the backfill in layers of 150 - 200mm.

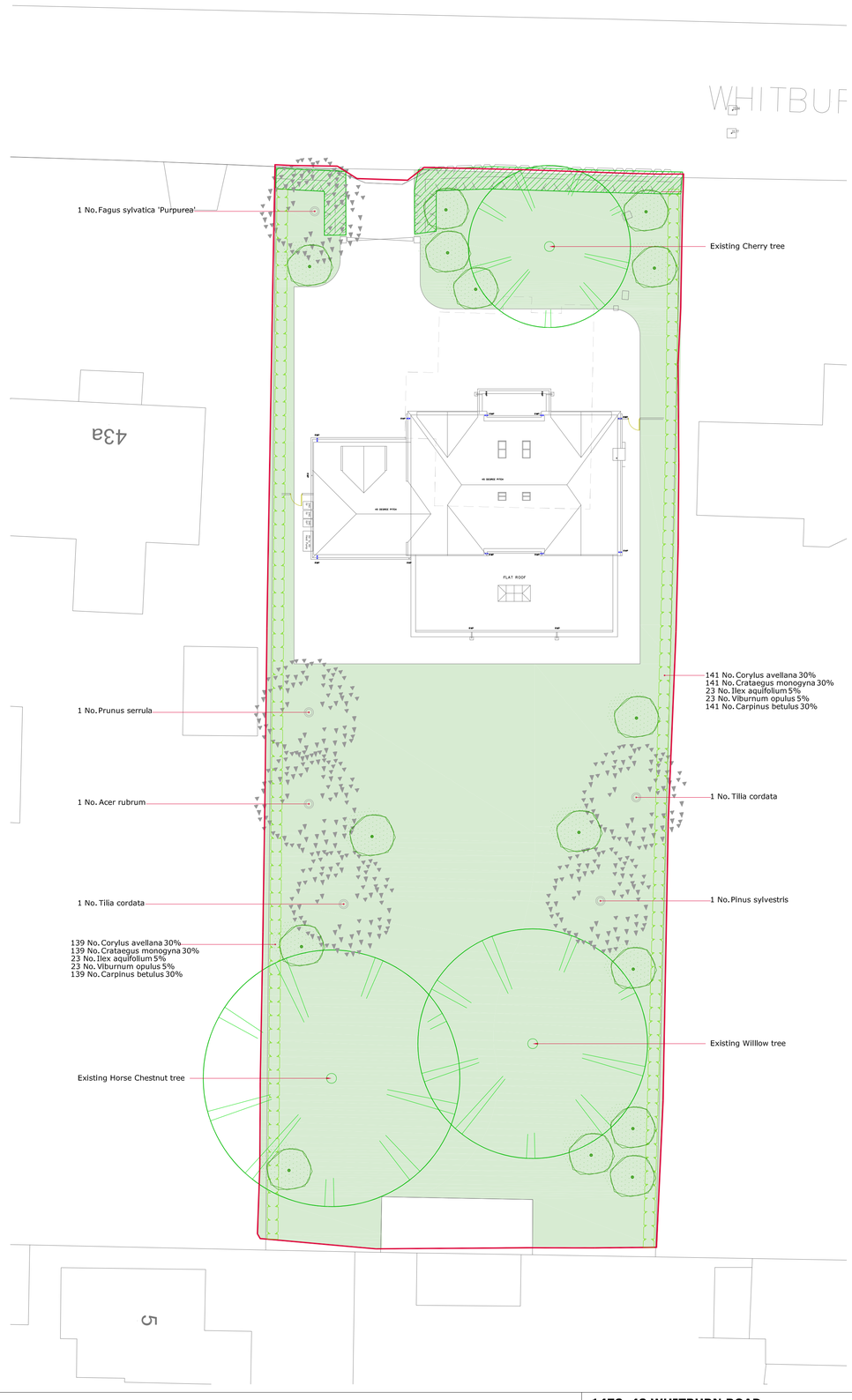
On completion of planting water the trees well, using a least 20 litres, or field capacity if practical. If trees are in areas which will be subject to regular grass cutting interlocking strimmer guards shall be installed.

Hedge Planting
As scheduled, all hedge is to be planted in double staggered rows, 400mm apart and at 450mm centres. To prepare the planting area rotovate and/or double dig trenches which are 450mm deep, remove stones, clay balls exceeding 50mm width, roots, grass, tufts, and foreign matter.

Each trench shall be backfilled with approved quality top soil, mixed with tree planting/mulching compost, fertiliser/ameliorant and moisture retentive granules

Defects Liability
Dead/failing trees and hedge plants will be regarded as defects due to materials and workmanship and shall be replaced. When planting is carried out by the Contractor post Practical Completion, subject to the approval of the Employer, the landscaping defects liability period will commence from the date of completion of the additional works.

Maintenance
The landscape contractor will have one years maintenance responsibility to coincide with 1 years initial defects rectification period. Maintenance is to be undertaken in accordance with standard maintenance schedule as provided by the employer.



LEGEND - 1:200

- Existing Trees to be Retained
- Existing Hedge to be Retained
- Proposed Soft Landscape Areas
- Proposed Individual Tree Heavy Standards
- Indicative Locations of Proposed Smaller Native Trees
- Proposed Hedge Planting

NOTES
Heavy Standard trees indicated on this plan, and included in the schedule, are proposed as replacement trees for those previously removed

Indicative Proposed Smaller Native Trees shown are required for BNG and will include flowering and fruiting species such as:-

Juniperus communis	-	Juniper
Malus syvestris	-	Crab Apple
Prunus padus	-	Bird Cherry

Other small trees and shrubs may be incorporated in other garden spaces.

Rev	Description	By	Chk	Date
--	Draft Issue	DH	SL	28.09.23
--	Revisions following client comments. 2nd Draft Issue	DH	SL	28.09.23
--	Revisions following client comments. 3rd draft Issue	DH	SL	12.10.23
--	Issued for planning	DH	SL	13.10.23
A	Updates to site layout. Proposed landscape amended accordingly.	DH/SL	SL	03.09.24
B	Omission of the proposed tree to the south west.	DH/SL	SL	03.09.24

NOTES – IF IN DOUT, ASK
1. Do not scale directly from this drawing.
2. All dimensions are in metres.
3. All levels are shown in metres Above Ordnance Datum (AOD).
4. All levels and dimensions are to be checked on site by the site manager/contractor prior to commencing any works or ordering any materials.
5. This drawing is to be viewed in conjunction with all other detailed drawings and specifications from all members of the design team.
6. Any conflicts/discrepancies are to be highlighted to Southern Green prior to commencing works or ordering any materials.

CDM – SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
Principal Designer: Refer to Client

In addition to the hazards/ risks normally associated with the types of work detailed on this drawing, note the following project specific risks which require attention/ mitigation by the contractor undertaking the works:

Construction: none identified at this time
Maintenance/ Cleaning: none identified at this time
Decommissioning/ Demolition: none identified at this time

It is assumed that all works will be carried out by a competent contractor, working where appropriate, to their own approved method statement. This is not an exhaustive list and reference must be made to the Construction Phase Plan or Health and Safety File and any additional Risk Assessment documents available.

N

0m 2.5m 5m 10m

Scale Bar – 1:200 @ A1

1478_48 WHITBURN ROAD

Mr R Bajwa

Replacement Tree Planting

1478_200 | Rev B

1:200 @ A1 | 21.09.23 | SR6

Drawing Issue Status
[X] Comment/ Approval [ ] Contract
[ ] Costing [ ] Construction
[X] Planning [ ] Record Dwg
[ ] Tender [ ] BIM

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